

**U. S. DEPARTMENT OF ENERGY
WORK BREAKDOWN STRUCTURE DICTIONARY
PART II - ELEMENT DEFINITION**

1. PROJECT TITLE/PARTICIPANT Environmental Management/Bechtel Jacobs Company LLC		2. DATE 10/01/02	3. IDENTIFICATION NUMBER DE-AC05-98OR22700								
4. WBS ELEMENT CODE .04.02.04.01		5. WBS ELEMENT TITLE Decontamination and Decommissioning Surveillance and Maintenance									
6. INDEX LINE NO. N/A	7. REVISION NO. AND AUTHORIZATION Rev 1		8. DATE 01/23/03								
9. APPROVED CHANGES N/A											
10. SYSTEM DESIGN DESCRIPTION N/A		11. BUDGET AND REPORTING NUMBER N/A									
<p>12. ELEMENT TASK DESCRIPTION</p> <p>WBS GRAPHIC</p> <p style="margin-left: 40px;">See attached.</p> <p>INTRODUCTION</p> <p style="margin-left: 40px;">This is the WBS element for Surveillance and Maintenance (S&M) of facilities that have been accepted in the D&D Program. The objective under this WBS is to perform periodic inspections of the facilities, document facility conditions, and maintain the facilities. D&D S&M includes four subprojects. These are C-340 Routine Surveillance and Maintenance; C-410 Routine Surveillance and Maintenance; Newly Generated Waste Surveillance; and DOE Prime Support.</p> <p style="margin-left: 40px;">The facilities included in this WBS element are scheduled for D&D. The D&D will be performed in phases, including Site Evaluation; infrastructure removal (process equipment, piping, and material) and disposition; facility structure disposition; and slabs and soils remediation.</p> <p style="margin-left: 40px;">The C-340 Routine S&M and C-410 Routine S&M subprojects include the Routine S&M of the C-340 Metals Plant Complex and the C-410 Feed Plant Complex prior to these facilities undergoing Decontamination and Decommissioning. Typical activities which may be performed as a part of S&M, based on building conditions and available resources, include:</p> <ul style="list-style-type: none"> ? Combustible removal ? Gross vacuuming ? Maintenance vacuuming ? Decontamination as required (e.g.; spills, leaks etc.) ? Apply fixative to surfaces as required to control loose contamination and air borne particulates ? Initial isolation of below & above grade utilities and process systems ? Drain, purge and flush systems posing a Health & Safety concern to workers ? Repair & modify access doors as required ? Provide construction power, temporary lighting & GFI protected portable power panels. ? Repair and seal exterior wall penetrations ? Drain and sample lubricants from equipment ? Disposition newly discovered waste <p style="margin-left: 40px;">The D&D Surveillance and Maintenance WBS Element Structure is as follows:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 35%;">WBS 1.12.04.02.04.01.01</td> <td>C-340 Routine S&M</td> </tr> <tr> <td>WBS 1.12.04.02.04.01.02</td> <td>C-410 Routine S&M</td> </tr> <tr> <td>WBS 1.12.04.02.04.01.04-</td> <td>Newly Generated Wastes</td> </tr> <tr> <td>WBS 1.12.04.02.04.01.05</td> <td>DOE Primes</td> </tr> </table>				WBS 1.12.04.02.04.01.01	C-340 Routine S&M	WBS 1.12.04.02.04.01.02	C-410 Routine S&M	WBS 1.12.04.02.04.01.04-	Newly Generated Wastes	WBS 1.12.04.02.04.01.05	DOE Primes
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LOGIC RELATIONSHIPS

Facilities that have been accepted into the D&D Program will remain in the D&D S&M Program until such time as the Site Evaluation Process under the D&D Process begins. Providing the Site Evaluation, Infrastructure D&D, Facility Structure D&D, or Environmental Media Phase is ongoing, S&M will be reduced to only performance of exterior mowing and maintaining of exterior grounds. S&M must be resumed between phases or when active D&D is halted due to funding constraints or other reasons.

The scope of the Surveillance and Maintenance Activities will be reduced following infrastructure removal, since only maintaining the building shell and exterior grounds in a safe and secure manner will be necessary. Following demolition of the structures, only maintaining exterior grounds will be required, until such time as the Long Term Stewardship project assumes this function.

SCOPE DESCRIPTION

Release Sites and Facilities – NA

Assessments to be completed – NA

Actions to be completed – NA

Past and Future Accomplishments

Past Accomplishments

- ? Performed Routine Surveillance and Maintenance for C-340 and C-410.
- ? Completed Industrial Hygiene Characterization in C-340 in order to support tours and inspections of the area.
- ? Performed utility evaluation at C-340 to identify potential for vulnerabilities for waterline freezes, etc.

Future Accomplishments

- ? Perform Routine Surveillance and Maintenance for C-340 and C-410 Facilities.
- ? Perform design and project planning for Utility and Process Line isolation for C-340 Complex.
- ? Properly characterize and manage any wastes generated.
- ? Maintain SAB for C-340.

SCOPE

Two major Complexes or Groups of Facilities are included in this WBS Element.

- ? C-410 Feed Materials Production Complex
- ? C-340 Uranium Metals Plant

1.12.04.02.04.01.01 C-340 Routine S&M

Conduct routine scheduled surveillances of the following facilities in the C-340 Complex, listed below. Perform corrective maintenance (relamping, maintaining signage and posting, maintaining fence surrounding Complex); repairing broken windows and performing minor roof leak repair; pest and rodent control; and maintaining utilities in facilities, until isolated. Design project to physically isolate waterlines, steam lines, air, and process lines from the C-340 Complex to reduce vulnerability for freezes or releases and in preparation for eventual

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D&D. Routine Radiological Surveys will be performed in the building.

Minimal unscheduled corrective maintenance will be performed on the facilities as necessary to primarily address conditions that pose a threat to workers, the public, or the environment.

The C-340 Complex is a radiological facility. Annual reviews and updates of the Safety Authorization Basis Document will be performed to address any changes in conditions for the Complex.

The WBS includes project management and technical integration associated with management of the work including monitoring, control, and reporting of project performance; budget control and accounting; planning, scheduling, and estimating; and system integration including interfacing with the client and subcontractors.

The following structures are included in this Level 7 WBS Element:

C-340-A Powder Building	C-340-B Metals Building
C-340-C Slag Building	C-340-D Magnesium Storage Building
C-340-E Emergency Power for Critical Alarms	

WBS 1.12.04.02.04.01.02 C-410 Routine S&M

Maintain postings. Routine inspections, interior radiological surveys, minor maintenance activities, etc. to the building will be performed as a part of the Infrastructure Removal Action.

The WBS includes project management and technical integration associated with management of the work including monitoring, control, and reporting of project performance; budget control and accounting; planning, scheduling, and estimating; and system integration including interfacing with the client and subcontractors.

List of Structures Included in this subproject:

C-410 Feed Plant	C-410-A Hydrogen Holder
C-410-C HF Neutralization Building	C-410-E HF Emergency Holding Pond
C-410-F HF Storage Building (North)	C-410-G HF Storage Building (Center)
C-410-H HF Storage Building (South)	C-410-I Ash receiver Shelter
C-410-J HF Receiver (East)	C-411 Cell Maintenance Building
C-420 Greensalt Plant.	

WBS 1.12.04.02.04.01.04 Newly Generated Wastes

Wastes generated as a part of the routine S&M of the facilities will be disposed of under this WBS element.

WBS 1.12.04.02.04.01.05 DOE Primes

Disposal cost for waste generated by this project will be developed and then transferred to the appropriate DOE Prime WBS

It is the core value of Bechtel Jacobs Company that the safety and health of every worker and the public at large, and our environment, are the most important assets we are entrusted to protect. To accomplish this, an Integrated Safety Management System (ISMS), based on DOE's ISMS has been implemented that incorporates the five core functions and is based on the seven guiding principles. The objective of ISMS is to systematically integrate safety and environmental protection into the planning and execution of all work activities. The term safety encompasses Nuclear Safety, Industrial Safety, Industrial Hygiene, Occupational Health, Health Physics, and environmental issues. ISMS requirements flow-down to Bechtel Jacobs Company subcontractors. The Five Core

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Functions are: (1) Define the scope of work, (2) Analyze hazards, (3) Develop and implement hazard controls, (4) Perform work within controls, and (5) Provide feedback and continuous improvement. The Seven Guiding Principles are (1) Line Management Responsibility for Safety, (2) Clear Roles and Responsibilities, (3) Competence commensurate with responsibility, (4) Balanced Priorities, (5) Identification of Safety Standards and Requirements, (6) Hazard Control Tailored to Work Being Performed, and (7) Operations Authorization.

REQUIREMENTS/DRIVERS

Bechtel Jacobs Company LLC Contract DE-AC05-98OR22700, December 18, 1997
Integrated Safety Management System Description, BJC/OR-87, Revision 2, September 1999
List other Requirements/Drivers for the scope of the Subproject (RODs, Permits, Laws)

As applicable, indicate other regulatory-related requirements.
CERCLA: Y/N RCRA: Y/N DNFSB: Y/N DOE Orders: Y/N AEA: Y/N UMTRCA: Y/N State: Y/N Other: Y/N

WASTE VOLUMES

Please see attached waste performance metrics, as applicable.

PROJECT SCHEDULE

Please see attached project summary schedule, and Milestone Status Summary Report.

EXECUTION YEAR BASELINE

Please see attached Budgeted Cost of Work Scheduled Plan.

BASELINE BY YEAR

Please see attached Baseline by Year Report.